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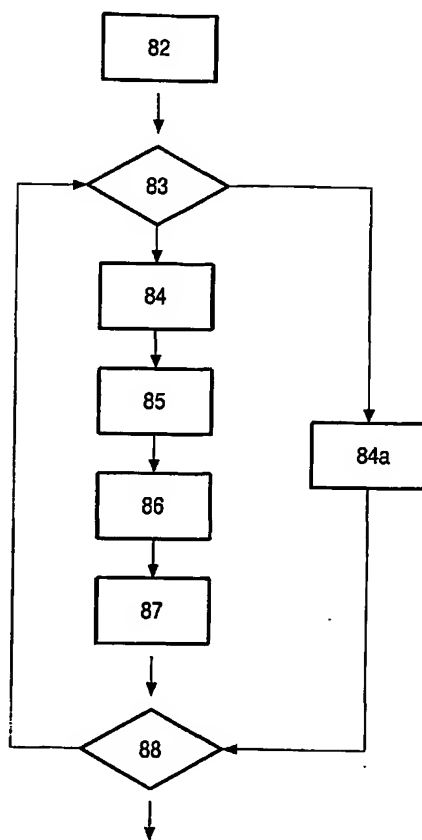
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- (71) Applicant (for all designated States except DE, US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

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(54) Title: METHOD AND ARRANGEMENT FOR DETERMINING THE POSITION OF AN OBJECT IN AN MR DEVICE



(57) Abstract: The invention relates to a method of determining the position of an object, such as for example a medical intervention instrument, located in the examination area of an MR device. For this purpose, a high-frequency magnetic field is generated in the examination area, which high-frequency magnetic field runs essentially parallel to a main magnetic field that is active at the same time. In the process, a component of the high-frequency magnetic field that is perpendicular to the main magnetic field is produced in the vicinity of conversion means fitted on the object, on account of which perpendicular component of the high-frequency magnetic field a nuclear resonance signal is excited. In conjunction with a gradient field, the nuclear resonance signal is detected and evaluated, so that the position of the object can be determined. Furthermore, the invention relates to an MR device and to specific components for carrying out the method.

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